



A.D. 1853 N° 353.

S P E C I F I C A T I O N

OF

WILLIAM EDWARD NEWTON.

APPARATUS FOR FACILITATING THE
EXAMINATION OF INTERNAL PARTS OF
THE HUMAN FRAME.

L O N D O N :

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,

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A.D. 1853 N^o 353.

**Apparatus for facilitating the Examination of
Internal Parts of the Human Frame.**

PROVISIONAL SPECIFICATION left by William Edward Newton
at the Office of the Commissioners of Patents, with his Petition,
on the 10th February 1853.—A communication.

*(Void by reason of notice to proceed not having been given within the
5 time prescribed by the Act.)*

I, WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery
Lane, in the County of Middlesex, Civil Engineer, do hereby declare the
nature of the said Invention for “**IMPROVEMENTS IN INSTRUMENTS OR APPA-
RATUS FOR FACILITATING THE EXAMINATION OF VARIOUS INTERNAL PARTS OF THE**
10 **HUMAN FRAME**” to be as follows:—

The object of the instrument is to enable any person to inspect or
examine with the eye internal parts of the human frame which cannot
be conveniently examined without the aid of some such apparatus.
The instrument is composed principally of metal silvered, and is
15 provided with a lamp, the light of which is thrown, by a combination
of reflectors, on to any part of the body to which access can be obtained.
The apparatus is also provided with a set of lenses, whereby any
abnormal appearances may be more minutely examined than with the
naked eye.

Newton's Apparatus for Examining Parts of the Human Frame.

ADDITION TO PROVISIONAL SPECIFICATION.

I, WILLIAM EDWARD NEWTON, do hereby declare the nature of the said Invention for "**IMPROVEMENTS IN INSTRUMENTS OR APPARATUS FOR FACILITATING THE EXAMINATION OF VARIOUS INTERNAL PARTS OF THE HUMAN FRAME**" to be as follows :—

5

The object of the instrument is to enable any person to inspect or examine with the eye internal parts of the human frame which cannot be conveniently examined without the aid of some such apparatus. The instrument consists principally of a hollow chamber, with an entrance tube at one end, and an exit tube at the other; the several parts are 10 composed principally of metal silvered, and the apparatus is provided internally with a lamp, the light of which is thrown, by a combination of reflectors, through the exit tube on to any part of the body to which access can be obtained. The apparatus is also provided with a set of lenses, whereby any abnormal appearance may be more minutely 15 examined than with the naked eye. The lenses are mounted in a tube which passes through the principal chamber, and is adjustable from the outside by means of an external screw, whereby the focus may be obtained. It will now be understood that the light of the lamp will be thrown by the reflectors into any cavity of the body opposite the object 20 end of the lenses.

LONDON :

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1854.